

JOERGER ENTERPRISES, INC. _____

MODEL PSD

200MHZ PRESCALER AND DRIVER

FEATURES:

- COUNTING SPEEDS IN EXCESS OF 200MHZ
- FOUR PRESCALER CHANNELS
- DUAL, 100MA DRIVERS

The Joerger Enterprises, Inc. Model PSD is a high speed prescaler and driver packaged in a single width NIM module. It contains two $\div 4$ prescaler channels and two $\div 16$ channels with NIM level inputs and outputs. In addition it has two drivers with NIM inputs and the ability to drive 100ma into either 100 ohms or 50 ohms.

SPECIFICATIONS

PRESCALER (Four Channels)

INPUTS

| | |
|-----------------|---------------------------------|
| Amplitude | -600mv |
| Input Impedance | 50 ohms $\pm 10\%$ D.C. coupled |
| Counting Speed | 200MHZ minimum |

OUTPUTS

| | |
|-----------|---------------------|
| Amplitude | -800mv into 50 ohms |
|-----------|---------------------|

PRESCALE RANGES

| | |
|------------------|-----------|
| Channels 1 and 2 | $\div 4$ |
| Channels 3 and 4 | $\div 16$ |

DRIVER

INPUTS

| | |
|-----------------|----------------------------------|
| Amplitude | -600mv |
| Input Impedance | 50 ohms $\pm 10\%$ D.C. coupled. |

OUTPUTS

| | |
|-------------|----------------------|
| Pulse Width | 400nsec. typical. |
| Amplitude | 100ma into 100 ohms. |

POWER REQUIREMENTS

+6v, 60ma; -6v, 600ma; +24v, 40ma; -24v, 350ma

SIZE

#1 NIM module

CONNECTORS

LEMO Type RA00250, mating connector type F00250

TEMPERATURE RANGE

0°C to 50°C

JEI0782